buner 6

Unp. ruiche a, an E Z rajbebarores bjanure repormenter, ecnu (a, a,)=1 Eau rosse 2 ma, an bjanner reporter, et u rucha majorbaret nonaprio bjanero recomonne // (a:...a;) - HOR ai...a; Chairmba:

· 1) E au a, a, E Z nonapro bjances reporter, mo otre bjanco reporters D Eam (a, an) = d>1, mo (a, az)!d, znoveri (a, az) >1 (!!!) €

MHOB-BO BCEX MENTER -2) Eam a, b, c ∈ Z u (a,b) = 1, mo (ac,b) = (c,b) D] d=(c,b) £=(ac,b) U cid curgipi, uno ac:d, quarui de OD(ac,b)u; no reopense à mos fiel y bif augya umo DC: F Torga f € 00 (ac, ba); instructions Torga no reopense 3 c = c(a,b), = (ac,bc): f. Torga f & op(c,b) u no r.2 dif. T.k dif ∈ N, dif, fid = 7 d = f.

Time coo(ac,bc) f 6 00 (ac, 60) x ist

· 3) Eau a,b, c eZ, (a,b)= du ac;b, mo c;b,//kax su repognit enue ella?

D 160 chby 2 (c,b) = (ac,b) = b => c;b €

· 4)] α, ... α, b, ... b m ∈ Z , ημυτένι (α; b;) = 1 gna ∀ί ∈ {½, ... η}, j ∈ {½, ... η}, j ∈ {½, ... η},

D'Doxonucier no unggrussie: (a, a, b): 1 gna boex je {1, m} u ke {1, n} unggrussien no k. Bayon orelughor. Nepexop k > k+1: (0, a, a, a, b): (a, a, b): 1, no obbe of (0, b) of (1, ch, b): 1, no obby 0 (aux, b;)=1/cblo2

// Кратко о свойствах: 1 и Упохочи, о попарном сравнения, 20 донножения,

З э донношение на делицися.

DunetT

Onp. Hamypaubrice reieno, unerouse pobro 2 hampparonois genuienes, rejoidanos

Onp. parrypausure reiens i sonsum con-bom germenen-connature.

1 eP. 4pelPmol. bo been as gentenus: 1 4 p. {4,6,8,9...}

Onp. Ja EN. Colombusique genusero rueno a - moboi en genusero ormandi om 1. 6=2.3, 2+1,6:2 => 2-colore. genusero a (march 3)

Chouchba: · 1) Jack-comobrae, maya =paynomenne a=bc, yee b, cel, a>b, c>1.

D'Comadrae meno mener cos abennois germano bea. Torga a = bc, ye

CEN, 1 CCCO - orebugno.

2) J a∈N, a≠1, a d-minuaronomi cosambinioni genireno a. Torga Dolos-no onpegeneuro. I d-cocmatroe. No obby 1 d=bc, spe d>b>1, no uy stil d:b,a:d cnegyer, sono a:b znarur b< d-coòciterrationi general a porutoperue e boelopan d'b novembre universanorono. ·3) Ja ∈Z, p elP. Toyon unso a:p, unso (e,p)=1. D Tax rax d=(a,p)∈Nupid, mo d=1 unu d=p//ro onp. npocroso una Eum (a,p)=p, mo aip. 4 · 4) Ja, ane Zupel Takobol, uno a: anip. Toyon I Takor i e {1, n3, To a: i.p. //maigires manue-to genoments
DJ a: i.p. gno blex i e {1, ... n}. Torpa no chby 3 (ai, p) =1. Ho no chby 4 by duno spoombex reven, (a, a, p) = 1, rough u a, a, p. Aporukoperus !!!) leoperus 6 Reported rules Seckoperrio amoro D] Dio He rak. Torpa $P = \{P, P_n\}$. Im = $P_n P_n + 1$, $q = q - haumennin ababention genien m. Torga no abbey 2 <math>q \in P$, showing q = p; gre necompros $i \in \{1, n\}$. Take have m-1:p; (m,p)=(1,p)=1 (no abby 2 HORa). 3 have sm, mypi, matchepone 4 // q broads to repense terms, torga HOR (m,p)=1, and repositioneral burer 8 Ocrobreau meopeuro apuquemuru (Tegrena F) Fac N, a>1 packnapulaemas la maybegenue mocroux rucen. Takor paynomenue единавиче с тогностию до порадка сошночнителей. // а=р...р. - единав. D'No ungyreyon. Dayo, nell'orebughen: prognomenue a = a. Mepexop: Ja-coctab-noe, a grue menunex rucen reopeens govagand. Torpos q=bc, age 1 <b, c< a, onegobarnemies, b = p. p. u c = q. 9m, rouga a = p. p.q. 9m - ucuarise pognomenue. Megnonormum rpomuebnae, ngors a=p,-p=q,-gen pagnomerume no morre,
nywien a-namuentume namypanorma gna nomoporo pognomenum reegunolumo.

My 2000 cregga emo a-p,-pn:9, => gra vanoro-ro p::9-bepro. My p, 9, ell u P. :9, =7 P=9, Touga a' = 9 = P2 -Pn = 92 -9m. Ho pagnomenue a' l' rpaylegeme pocoux égunes berns (no rpegnonomenus ungegregue). bunet 9 Каноническое разполичие - предстовнение натурального чиста в виде

Onp. gna ne N Obezharemu repez d'(n) non-les mamypanoneux genurteopeur 8 (o kon-be namy p. genuienen ruches u o genuremen rucha) In = $p_s^{k_1}$... $p_s^{k_s}$ - Kanonickoe poynomercie. Torga bunonicus augyronyme ycublius: 1) n; d eem a monomo eena $d = p_s^{k_s}$, roje $0 \le l_i \le k_i$; grabcex $i \in \S 1$, s\cdots

2) $d(n) = (k_1 + 1) ... (k_s + 2)$ 1) = Orebugno // gociatornocts => Eau n: d, mo d'une moment muero nyocroex genutenen, yrane

Propos (no OTA) => d-pl. ps. Eau li>ki pro manoro- To i E {1,...s}, moro
bugno, rmo n/d. (no OTA) 2) Novoyament comenenti npocomoto reservo pi l'università paynomenenti generana d'in wouve bispanio k; +1 anocasamu (0 k;). Repensiovicaem varirentes bapuonios gne posimioix pi- profit! 1 leoperes 9 10 reperabremen HOA reper nomonute exce paynoxement) Ja, amé N, p. ps el privien a: = phis phis gras leex ce {1, m} (kencomopone y novagament many? sours pabris o). Torga: (a, am) = prin(k, kmi) prin(k, kmis) / no cyth bubupaem Tak, zmobin

Prin(k, kmis) / HCA wien Kompyo wanderson was 1 (pump: (a, a, a, a, a) = 134,6,8) = 2 . 3 = 2 . 3 = 1 - HOB rucen a, = 3 = 2°.3' Cl2 = 4 = 22.3° az = 6 = 2'.3' a4 = 8 = 2.3

D no reopene 8 (p non-le genuienen ne N), d | a, ecru u tonomo ecru d=pi: psi

rge li : kij grus boex j ∈ {1,...s?. => d ∈ OD (a, an), ecru u tonomo ecru

d = pi: psi, rge li ≤ min(hj: kmi) grus V i ∈ {1,...s}.

Bug guapaumoba ypabuenus: (ax+by=d(x)a,b,c-const,x,y-newberroe · 7 d=(a,b). Eau cid, no grabremet pemerne ne unes. · J c:d. Torpa blegën zameny: a = da' b = db' Torpa grabhenue (2) sububanuemno 0'x + b'y = c', zge (0', b')= 1

Torpa 7 mineri noe representatione (0) : (0'x + b'y = 1) Juno mub

no c', rongrum (a'(x,c') + b'(y,c') = c)//7 ("no ymeny" ymorrosem

teopena 10

Espera 10 Tegrena 10 Permeture ypalrane (1) rpepomabraiones & beige (x=xoc'++b') (y=yoc-ta) Desgen posorar c suberbanerarion ypartrurum a'(x,c')+b'(y,c')=c',

Malapun umo x=x,c'++b' u y=y,c'-+a gencileremento ero penee-Aune: a'(xoc'+1b') + b'(yoc-+a') = a'(xoc') + b'(yoc') + a'1b'-b'1a' = c'passaci. //npocro noperaburu, u ono corparunoca Phobepul gra le exognolo: a'x+b'y=c'= a'(x,c')+b'(y,c')=7a'(x-x,c')=
(1a camàl monomento de (Bullion le est = b'(y,c'-y). Torpa a'(x-x,c'):b',T.k. (a',b')=1, mo x-xoc':b']

x-xoc'=tb'. Ananoreveno yoc'-y:a'. Jy. c'-y=sa'. Torpa a'tb'=b'sa', onegos

S= t. // cgenaru bules, t.v. (a'b)=1=>no OTA

npour gumenu

uno une en. 1 apyrus ruance. S=+. // coenany bules t.v. (ab)=1=>no OTA